

FIG. 1

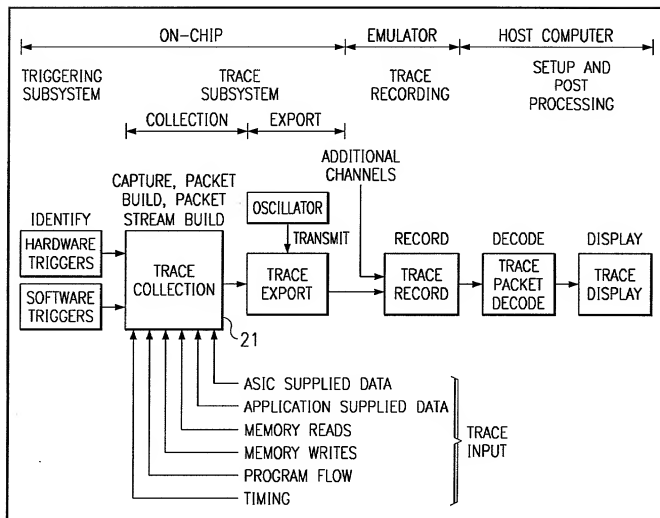


FIG. 2

067460

067460

067460

067460

067460

067460

067460

067460

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PC SYNC POINT TYPES

TYPE	SYNC TYPE	REASON FOR SYNC POINT
000	TRIGGER	USER DEFINED TRIGGER
001	FIRST POINT	STANDBY MODE
010	SYNC POINT	PERIODICALLY GENERATED
011	FIRST POINT	STREAM ENABLED
100	LAST POINT	STREAM DISABLED

FIG. 6

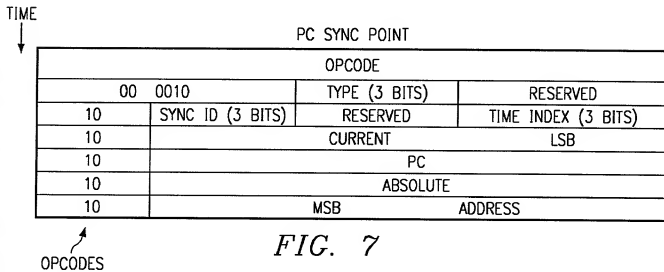


FIG. 7

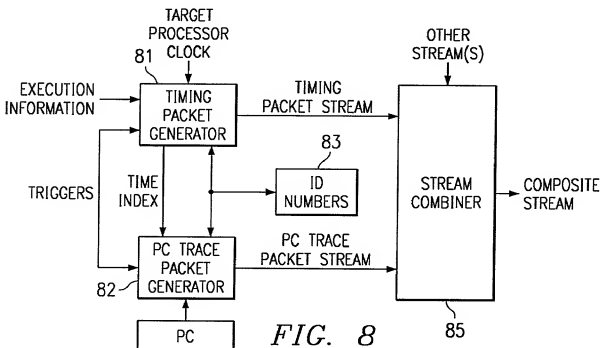


FIG. 8

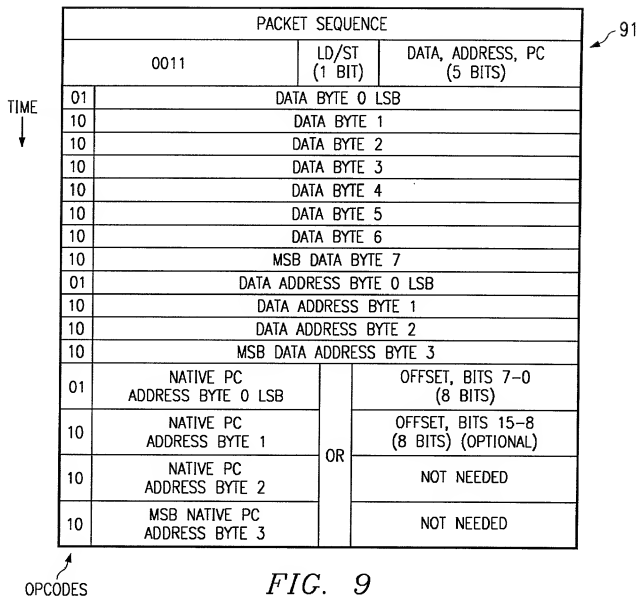


FIG. 9

MEMORY REFERENCE SYNC POINT

OPCODE	PARAMETER FIELD (3-BITS)
00 00011	MSB SYNC ID LSB

FIG. 10

FIG. 11

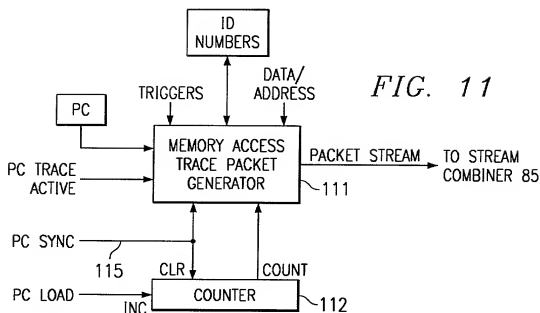


FIG. 12

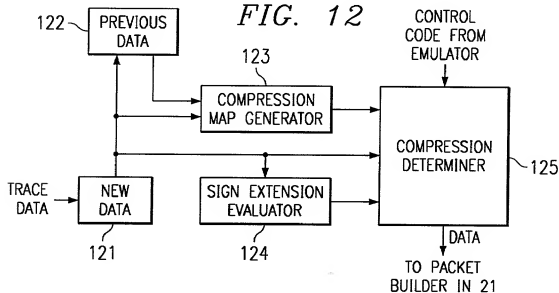
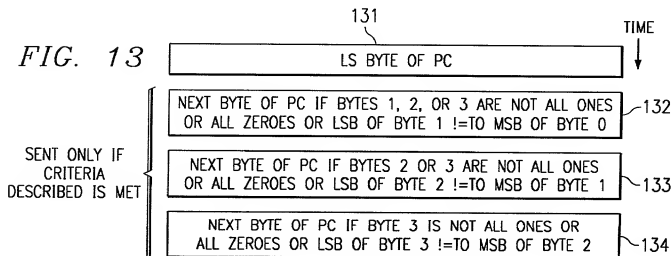


FIG. 13



COMPRESSION EXAMPLE 0			
PREVIOUS DATA		11111111 11111111 11111111	10000011
NEW DATA		11111111 11111111 11111111	10000011
COMPRESSION BIT MAP SENT		NONE BECAUSE ONLY ONE BYTE COMPRESSES	
SEND BYTES		DROPPED DROPPED DROPPED	SENT
		BYTE #0 IS SENT	

FIG. 14

COMPRESSION EXAMPLE 1			
PREVIOUS DATA		11111111 11111111 11111111	10000011
NEW DATA		11111111 11111111 11111111	10000100
COMPRESSION BIT MAP SENT		NO BECAUSE ONLY ONE BYTE COMPRESSES	
SEND BYTES		DROPPED DROPPED DROPPED	SENT
		BYTE #0 IS SENT	

FIG. 15

COMPRESSION EXAMPLE 2			
PREVIOUS DATA		11101111 11101111 11101111	10000011
NEW DATA		11101111 11101111 11101111	10000100
COMPRESSION BIT MAP SENT		YES BECAUSE NO SIGN EXTENSION AND TWO OR MORE BYTES COMPRESS	
SEND BYTES		DROPPED DROPPED DROPPED	SENT
		BYTE #0 IS SENT	

FIG. 16

COMPRESSION EXAMPLE 3			
PREVIOUS DATA		00001000 01111110 11000011	10000100
NEW DATA		11111111 11111111 11000011	10000100
COMPRESSION BIT MAP SENT		YES BECAUSE NO SIGN EXTENSION AND TWO OR MORE BYTES COMPRESS	
SEND BYTES		DROPPED DROPPED DROPPED DROPPED	
		NO BYTES ARE SENT	

FIG. 17

COMPRESSION EXAMPLE 4			
PREVIOUS DATA		10000011	00000100 11111111 11111111
NEW DATA		11111111	11111111 11111111 11111111
COMPRESSION BIT MAP SENT		YES BECAUSE TWO OR MORE BYTES NOT COVERED BY SIGN EXTENSION COMPRESS	
SEND BYTES		DROPPED DROPPED DROPPED DROPPED	
		NO BYTES ARE SENT	

FIG. 18

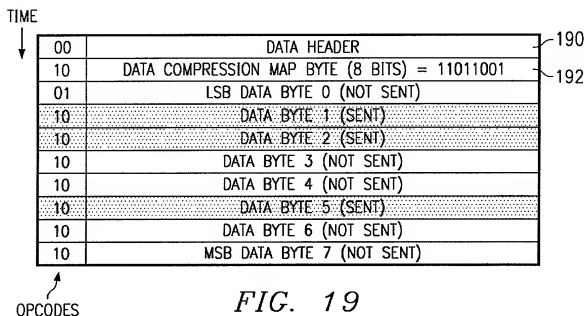
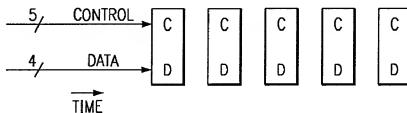


FIG. 19

FIG. 20
(PRIOR ART)

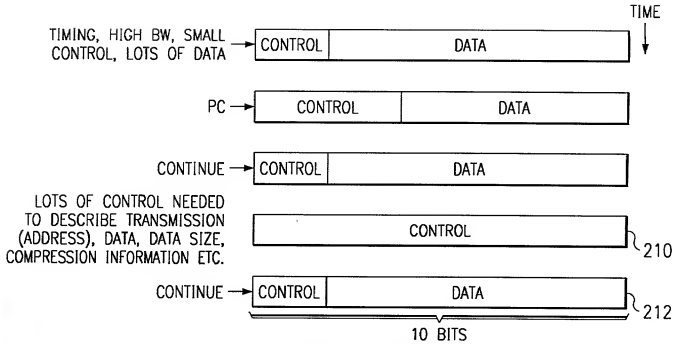


FIG. 21

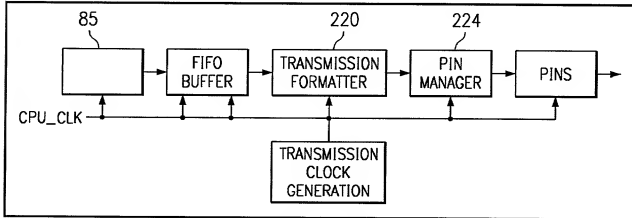


FIG. 22

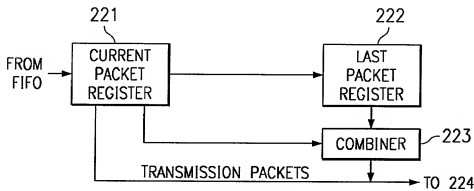


FIG. 22A

6 TRACE PACKETS TRANSMITTED AS 10 TRANSMISSION PACKETS									
10		10		10		10		10	
6	6	6	6	6	6	6	6	6	6
TIME →									

FIG. 23

10	10	10	10	10	10
12	12	12	12	12	12

FIG. 23A

10	10	10	10	10	10	10	10
16	16	16	16	16	16	16	16

FIG. 23B

REGISTER
221REGISTER
222

#	CURRENT TRANSMISSION PACKET										#	INCOMPLETE TRANSMISSION PACKET									
0	9	8	7	6	5	4	3	2	1	0		EMPTY									
1	9	8	7	6	5	4	3	2	1	0	0	9	8	7	6	5	4	3	2	1	0
1	9	8	7	6	5	4	3	2	1	0	1	9	8	7	6	5	4	3	2	1	0
2	9	8	7	6	5	4	3	2	1	0	1	9	8	7	6	5	4	3	2	1	0
2	9	8	7	6	5	4	3	2	1	0	2	9	8	7	6	5	4	3	2	1	0
3	9	8	7	6	5	4	3	2	1	0	2	9	8	7	6	5	4	3	2	1	0

FIG. 24

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221											10/10											222										
#	REGISTER										#	REGISTER																				
0	9	8	7	6	5	4	3	2	1	0	EMPTY																					
0	9	8	7	6	5	4	3	2	1	0	0	9	8	7	6	5	4	3	2	1	0											
0	9	8	7	6	5	4	3	2	1	0	0	9	8	7	6	5	4	3	2	1	0											
0	9	8	7	6	5	4	3	2	1	0	0	9	8	7	6	5	4	3	2	1	0											
1	9	8	7	6	5	4	3	2	1	0	0	9	8	7	6	5	4	3	2	1	0											
1	9	8	7	6	5	4	3	2	1	0	1	9	8	7	6	5	4	3	2	1	0											
2	9	8	7	6	5	4	3	2	1	0	1	9	8	7	6	5	4	3	2	1	0											

FIG. 25

221											222												
#	REGISTER										#	REGISTER											
0	9	8	7	6	5	4	3	2	1	0	EMPTY												
262	Z	-	-	Z	E	R	O	E	S	-	-	0	9	8	7	6	5	4	3	2	1	0	261
	Z	-	-	Z	E	R	O	E	S	-	-	Z	-	-	Z	E	R	O	E	S	-	-	
263	Z	-	-	Z	E	R	O	E	S	-	-	Z	-	-	Z	E	R	O	E	S	-	-	
264	1	9	8	7	6	5	4	3	2	1	0	Z	-	-	Z	E	R	O	E	S	-	-	
	1	9	8	7	6	5	4	3	2	1	0	1	9	8	7	6	5	4	3	2	1	0	
	2	9	8	7	6	5	4	3	2	1	0	1	9	8	7	6	5	4	3	2	1	0	

FIG. 26

221											222										
#	REGISTER										#	REGISTER									
0	9	8	7	6	5	4	3	2	1	0	EMPTY										
Z	-	-	Z	E	R	O	E	S	-	-	0	9	8	7	6	5	4	3	2	1	0
Z	-	-	Z	E	R	O	E	S	-	-	Z	-	-	Z	E	R	O	E	S	-	-
Z	-	-	Z	E	R	O	E	S	-	-	Z	-	-	Z	E	R	O	E	S	-	-
Z	-	-	Z	E	R	O	E	S	-	-	Z	-	-	Z	E	R	O	E	S	-	-
Z	-	-	Z	E	R	O	E	S	-	-	Z	-	-	Z	E	R	O	E	S	-	-
Z	-	-	Z	E	R	O	E	S	-	-	Z	-	-	Z	E	R	O	E	S	-	-
Z	-	-	Z	E	R	O	E	S	-	-	Z	-	-	Z	E	R	O	E	S	-	-
1	9	8	7	6	5	4	3	2	1	0	Z	-	-	Z	E	R	O	E	S	-	-
1	9	8	7	6	5	4	3	2	1	0	1	9	8	7	6	5	4	3	2	1	0
2	9	8	7	6	5	4	3	2	1	0	2	9	8	7	6	5	4	3	2	1	0

FIG. 27

09943456 063001